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Atty. Dkt. No. 039153-0694 (H1725)

OCT 04 2006

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

No claims are requested to be cancelled.

No claims are currently being amended.

No claims are being added.

This amendment does not add, change and/or delete claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

On page 2 of the Office Action, the Examiner has rejected claims 1-5 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,482,715 (Park). The Examiner states:

Regarding claim 1, Park discloses a method of manufacturing an integrated circuit having isolation regions in a substrate, the method comprising:

forming a mask layer (104, Fig. 3A) above the substrate;

selectively etching the mask layer to form apertures associated with locations of the trench isolation regions . . . ;

forming trenches . . . in the substrate at the location;

forming first type liners (108, Figs. 3E-G) on first side walls of the trenches . . . ; and

forming second type liners (comprising 108, 110, 112 . . .

Applicant respectfully traverses the rejection.

Atty. Dkt. No. 039153-0694 (H1725)

Claim 1 specifically recites that first type liners are formed on first side walls and second type liners formed on second side walls in the trenches. Park does not disclose such a process. Indeed, the same side wall liner is provided on all of the trenches. Clearly, Park only shows providing one type of liner on the side walls. Liner 102 of Park is shown as being provided in each and every side wall in each and every trench. Although additional layers are provided above liner 102 in some of the trenches, this is not the same as providing first type liners and second type liners on the side walls. Accordingly, Park does not show each and every limitation of claim 1 and withdrawal of the rejection of claim 1 and its dependent claims 2-5 under 35 U.S.C. § 102(b) is respectfully requested.

On page 3 of the Office Action, claims 6-8 are rejected under 35 U.S.C. § 103 as being unpatentable over U.S. Patent No. 6,482,715 in view of U.S. Patent No. 6,737,706 (Lee). The Examiner states:

Regarding claims 6-7, Park . . . does not explicitly disclose when the substrate is on an SOI substrate . . . Lee discloses that it is known in the art to form trench isolation features (41) on SOI substrates . . .

Applicant respectfully traverses the rejection.

Park and Lee are referred to below as the cited art.

Lee does not provide for the deficiencies associated with Park. Lee discloses the same type of oxide liner for all trenches. Accordingly, claims 6-8 are patentable for the same reasons discussed above with respect to independent claim 1. Therefore, withdrawal of the rejection of claims 6-8 is respectfully requested.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Atty. Dkt. No. 039153-0694 (H1725)

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 06-1447.

Respectfully submitted,

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